

LAMINATED DIELECTRIC ELEMENT AND METHOD OF PRODUCING
THE SAME

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ABSTRACT OF THE DISCLOSURE

10 A laminated dielectric element of high quality, free
of delamination and a method of producing the same. A
method of producing a laminated dielectric element 1 by
alternately laminating dielectric ceramic layers 12 and
base metal electrode layers 13, comprising the steps of
printing electrodes by applying a paste material for the
15 base metal electrodes onto the surfaces of at least one
side of the ceramic green sheets, laminating and press-
adhering the ceramic green sheets to fabricate a laminate
thereof, dewaxing the laminate, reducing the electrodes
to form base metal electrode layers by heating the
20 laminate while flowing an atmospheric gas and by reducing
the paste material for the base metal electrodes, and
sintering the laminate. In the step of reducing the
electrodes, the paste material for the base metal
electrodes is so reduced that the amount of the base
25 metal oxide remaining in the base metal electrode layers
is not larger than 20% by weight and that the amount of
lead liberated from the ceramic material is not larger
than 30 atomic % within 5000 Å from the surfaces of the
base metal electrode layers.